

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/523,918  
Source: IFWP  
Date Processed by STIC: 07/05/2006

# ***ENTERED***



IFWP

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DATE: 07/05/2006

PATENT APPLICATION: US/10/523,918

TIME: 14:05:53

Input Set : A:\050119.txt.TXT

Output Set: N:\CRF4\07052006\J523918.raw

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3 <110> APPLICANT: Rijk Zwaan Zaadteelt en Zaadhandel B.V.
4     Lelivelt, Cecilia Lucia Clara
5     Nugent, Jackie M.
6     McCabe, Matthew S.
7     Dix, Philip J.
9 <120> TITLE OF INVENTION: Method of plastid transformation in Asteraceae; vector for
use
10     therein and plants thus obtained
12 <130> FILE REFERENCE: L/2AL97/LB/16
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/523,918
C--> 15 <141> CURRENT FILING DATE: 2005-02-07
17 <150> PRIOR APPLICATION NUMBER: EP 2002078273.6
18 <151> PRIOR FILING DATE: 2002-08-08
20 <160> NUMBER OF SEQ ID NOS: 41
22 <170> SOFTWARE: PatentIn version 3.2
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 4587
26 <212> TYPE: DNA
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| 88  | atttaattca  | tattagatta  | gtcttagtta  | gtgatcccg   | cttagtgagt  | cctttcttcc | 1800 |
| 90  | gtgatgaact  | gttggcgcca  | gtcctacatt  | ttgtctctgt  | ggacagagga  | gaaaaggggc | 1860 |
| 92  | tccgcgggaa  | gaggattgta  | ccgtgagaga  | agcaaggagg  | tcaacctctt  | tcaaataaac | 1920 |
| 94  | aacatggatt  | ctggcaatgc  | aatgtacttg  | gactctcatg  | tcgatccgaa  | tgaatcatcc | 1980 |
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| 362 | agtgtctcga                        | atcattgcta  | tttgactcgg  | acctgttcta | aaaaagtcga  | ggtatttcga  | 360  |
| 364 | attgtttgtt                        | gacacggaca  | aagtcaggga  | aaacctctga | aattatttca  | atattgaacc  | 420  |

## RAW SEQUENCE LISTING

DATE: 07/05/2006

PATENT APPLICATION: US/10/523,918

TIME: 14:05:53

Input Set : A:\050119.txt.TXT

Output Set: N:\CRF4\07052006\J523918.raw

|     |             |            |            |             |             |             |      |
|-----|-------------|------------|------------|-------------|-------------|-------------|------|
| 366 | ttggacatat  | aagagttccg | aatcgaatct | ctttagaaag  | aagatctttt  | gtctcatggt  | 480  |
| 368 | agcctgctcc  | agtcccccta | cgaaactttc | gttattgggt  | tagccataca  | cttcacatgt  | 540  |
| 370 | ttctagcgat  | tcacatggca | tcatacaatg | atacaagtct  | tggaataaga  | tctacaacgc  | 600  |
| 372 | actagaacgc  | ccttggtgac | gatectttac | tccgacagca  | tctaggggtc  | ctcgaacaat  | 660  |
| 374 | gtgatatactc | acaccgggta | aatecttaac | ccttccccct  | cttactaaga  | ctacagaatg  | 720  |
| 376 | ttcttgtaaa  | ttatggccaa | taccgggtat | ataagcagtg  | atttcaaate  | cagagggttaa | 780  |
| 378 | tcgtactctg  | gcaactttac | gtaaggcaga | gtttgggttt  | tttgggggtga | tagtggaaaa  | 840  |
| 380 | gttgacagat  | aagtcaccct | tactgccact | ctacagaacc  | gtacatgaga  | ttttcacctc  | 900  |
| 382 | atacggctcc  | tcgttcaatt | ctttcgaatt | cattggatcc  | tttccgcgtt  | cgagaatccc  | 960  |
| 384 | cccccttctc  | cactccgccc | cgaagagtaa | ctaggaccaa  | tttagtcacg  | ttttcatggt  | 1020 |
| 386 | ccaattgaac  | actgtccatt | tttgattatt | ctcaaaggat  | aagattattc  | tctttacca   | 1080 |
| 388 | acatatgctg  | atccaatcac | gatcttatat | ataagaagaa  | caaaagatct  | ttcttgatca  | 1140 |
| 390 | atcccccttg  | ccctcattct | tcaagaataa | ggaagatcct  | tttcaagttt  | gaatttggtc  | 1200 |
| 392 | atttggaaac  | tggttctctc | tacttcatat | ttatttaata  | tgaatatttt  | ccctctcttt  | 1260 |
| 394 | tttttatatac | attccttaag | tcccataggt | ttgatcctgt  | agaatttgac  | ccattttctc  | 1320 |
| 396 | attgaacgaa  | aggtacgaaa | taaatcagat | tgataaaaagt | accatgtgaa  | atcttcgggt  | 1380 |
| 398 | tttccccctc  | ctcgatccct | atcccatagg | ttaggtacag  | tggttgaaac  | aataagagaac | 1440 |
| 400 | cttttcttct  | gtatgaatcg | atattattcc | attccaaatc  | cttcccgata  | cctcccaagg  | 1500 |
| 402 | aaaatctcga  | atttggatcc | caaattgacg | ggttagtgtg  | agcttatcca  | tgcggttatg  | 1560 |
| 404 | cactctttga  | ataggaatcc | gttttctgaa | agatcctggc  | tttcgtactt  | tggtgggtct  | 1620 |
| 406 | ccgagatcct  | ttcgatgacc | tatgttgaa  | ggatatctat  | ctaatecgat  | cgattgcgta  | 1680 |
| 408 | aagccccgct  | tagcaacgga | accggggaaa | gtatacagaa  | aagacagttc  | ttttctatta  | 1740 |
| 410 | tattagtatt  | ttctattata | ttagatatat | tagactatta  | tattagatta  | gtattagtta  | 1800 |
| 412 | gtgatcccca  | cttagtgagt | ctgatgaatt | gttggcacca  | gtcctacatt  | ttgtctctgt  | 1860 |
| 414 | ggaccgagga  | gaaaaggggc | tcggcgggaa | gaggagtgtg  | ccatgagaga  | agcaaggagg  | 1920 |
| 416 | tcaacctctt  | tcaaatatac | aacatggatt | ctggcaatgt  | agttggactc  | tcatgtcgat  | 1980 |
| 418 | ccgaatgaat  | catectttcc | acggaggtaa | atctttgcct  | gctaggcaag  | aggatagcaa  | 2040 |
| 420 | gttccaaatt  | ctgtctcggt | aggacatgta | tttctattac  | tatgaaatcc  | ataaatgaag  | 2100 |
| 422 | tagttaatgg  | taggggtacc | attatccttt | ttgtagtga   | gaatcttgta  | tgtgttccca  | 2160 |
| 424 | agaaaaggaa  | tttgtccatt | tttcgggggc | tcaaaggggc  | gtggaaacgc  | ataagaactc  | 2220 |
| 426 | ttgaatggaa  | aagagatgta | actccagttc | cttcgggaatc | ggtagtcaat  | cctatttccg  | 2280 |
| 428 | ataggggcag  | ttgacaattg | aatccgattt | tgaccattat  | tttcatatcc  | gtaaatgtgc  | 2340 |
| 430 | gaaaagaagg  | cccggctcca | agttgttcaa | gaatagtggc  | gttgagtttc  | tcgacctttt  | 2400 |
| 432 | gacttaggat  | tagtcagttc | tatttctcga | tggggcgggg  | aagggatata  | actcagcggt  | 2460 |
| 434 | agagtgtcac  | cttgacgtgg | tggaaagtc  | cagttcgagc  | ctgattatcc  | ctaagcccaa  | 2520 |
| 436 | tgtgagtttt  | tctagttgga | tttgetcccc | cgccgtcggt  | caatgagaat  | ggataagagg  | 2580 |
| 438 | ctcgtgggat  | tgacgtgagg | gggcagggat | ggctatatatt | ctgggagcga  | actccgggag  | 2640 |
| 440 | aatatgaagc  | gcatggatac | aagttatgcc | ttggaatgaa  | agacaattcc  | gaatccgctt  | 2700 |
| 442 | tgtctacgaa  | caaggaagct | ataagtaatg | caactatgaa  | tctcatggag  | agttcgatcc  | 2760 |
| 444 | tggtcagga   | tgaacgctgg | cggcatgctt | aacacatgca  | agtccgacgg  | gaagtgggtg  | 2820 |
| 446 | ttccagtggc  | ggacgggtga | gtaacgcgta | agaacctgcc  | cttgggaggg  | gaacaacagc  | 2880 |
| 448 | tggaaacggc  | tgctaatacc | ccgtaggctg | aggagcaaaa  | ggaggaatcc  | gcccaggagg  | 2940 |
| 450 | gggctcgcgt  | ctgattagct | agttggtgag | gcaatagctt  | accaaggcga  | tgatcagtag  | 3000 |
| 452 | ctggtccgag  | aggatgatca | gccacactgg | gactgagaca  | cggcccagac  | tcctacggga  | 3060 |
| 454 | ggcagcagtg  | gggaattttc | cgcaatgggc | gaaagctgac  | ggagcaatgc  | cgctggagg   | 3120 |
| 456 | tagaaggccc  | acgggtcgtg | aacttctttt | cccgagaga   | aagcaatgac  | ggtatctggg  | 3180 |
| 458 | gaataagcat  | cggctaactc | tgtgccagca | gccgcggtaa  | tacagaggat  | gcaagcgtaa  | 3240 |
| 460 | tccggaatga  | ttgggcgtaa | agcgtctgta | ggtggctttt  | taagtccgcc  | gtcaaatecc  | 3300 |
| 462 | agggctcaac  | cctggacagg | cgggtgaaac | taccaagctg  | gagtagcgta  | ggggcagagg  | 3360 |

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/523,918

DATE: 07/05/2006  
TIME: 14:05:54

Input Set : A:\050119.txt.TXT  
Output Set: N:\CRF4\07052006\J523918.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:6,7,8,9,13,14,15,16,17,18,19,20,23,24,25,26,27,28,29,30,31,32,33,34,35,36

Seq#:37,38,39,40

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/523,918

DATE: 07/05/2006

TIME: 14:05:54

Input Set : A:\050119.txt.TXT

Output Set: N:\CRF4\07052006\J523918.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date